

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353148080524702. County number, IR-155; DENR Langtree Research Station MW-5I (Transition zone well).

LOCATION.--Lat 35°31'48.32", long 80°52'46.96", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite bedrock).

WELL CHARACTERISTICS.--Drilled observation well, depth 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed from 18 to 35 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land surface datum is 784.49 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.20 ft above land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project. Well also sampled for water quality.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.84 ft below land-surface datum, May 15, 2001; lowest water level measured 24.83 ft below land surface datum, Sept. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL								
OCT 04	23.82	JAN 17	24.76	APR 24	23.43	JUL 11	23.43	SEP 17	24.83
NOV 14	24.30	FEB 21	24.50	MAY 15	23.18	AUG 13	24.14		
DEC 12	24.49	MAR 22	24.05	JUN 12	23.08	27	24.40		

